

BizTalk Server 2016 Administrator Deep Dive

Duration	5 days	Remote Enabled	Yes
Skill level	Advanced	Guaranteed to Run	Yes
Audience	Administrator		
Products and technologies	<p>The following products and technologies will be utilized in this course:</p> <ul style="list-style-type: none"> • BizTalk Server • Performance Monitor • The Performance Analysis of Logs tool 		

Course Description

Attendees of this course learn how to create and implement plans for performance tuning, scaling out, and automated monitoring. If you want to understand how to keep your BizTalk Server environments healthy, happy, and issue-free, this is the course for you.

In this 5-day course, you will learn how to design and run a variety of tests in a BizTalk Server environment, including: performance testing, load testing, and integration testing. You will learn how to measure your tests and analyze your testing data so you can apply the lessons learned from your tests to configure your hardware, network, SQL Server, and BizTalk Server for ideal performance and sustained health.

Furthermore, you will learn about the inner workings of BizTalk Server host instances and the databases that support BizTalk Server. At the end of this course you will be able to apply all the lessons learned to configure BizTalk Server throttling to ensure sustainable throughput.

This is an **advanced-level course**. Attendees are expected to have a working understanding of BizTalk Server administration concepts, including: application deployment, application management, and basic troubleshooting.

Course Objectives

At the completion of this course, attendees will be able to:

- Implement change control management plans for BizTalk Server applications
- Monitor BizTalk Server and SQL Server performance using Performance Monitor
- Analyze performance data
- Identify and remedy performance bottlenecks
- Provide highly available deployments
- Troubleshoot and resolve runtime exceptions
- Implement automated monitoring using System Center Operations Manager
- Create automated test plans
- Tune the hardware, the operating system, the network, and SQL Server for ideal performance
- Tune the BizTalk Server runtime and applications for ideal performance
- Design and execute daily, weekly, monthly, and quarterly health checks

Audience

- **Experienced BizTalk Server Administrators** who have at least six months of hands-on experience managing BizTalk Server deployments
- **Experienced BizTalk Server Developers** who support operations personnel with running health checks and performance tuning

Prerequisites

Students should have experience with core BizTalk Server administration concepts and skills. They should already know how to deploy applications, create deployment scripts, create/configure send and receive ports, and troubleshoot runtime exceptions.

Student Testimonials

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This is a **very interesting class!** Just like the class title said, it provides **deep dive of BizTalk for Administrators.**

Thu N. BizTalk Administrator Deep Dive

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All the material made sense and **I have real actionable ideas** to make our environment the **best that it can be** within our budget/expenditure constraints.

Lisa E. BizTalk Administrator Deep Dive

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Module Listing

1	Review of BizTalk Server Administration Fundamentals <ul style="list-style-type: none">Frequently Asked Questions	8	Automated Monitoring of BizTalk Server <ul style="list-style-type: none">Monitoring ObstaclesMonitoring BizTalk Using OpsMgrMonitoring BizTalk Using BizTalk 360Monitoring BizTalk Using AIMS for BizTalk
2	Managing BizTalk Server Applications <ul style="list-style-type: none">Deploying BizTalk ApplicationsUpdating BizTalk ApplicationsChange Control Options	9	Optimizing BizTalk Server Performance <ul style="list-style-type: none">General OptimizationsOptimizing for Low LatencyUsing Relog.exe
3	Understanding Hosts and Host Instances <ul style="list-style-type: none">BizTalk Hosts and Host InstancesCreating Hosts and Host InstancesClustering in BizTalk EnvironmentsConfiguring BizTalk Adapter HandlersMessageBox Deep DiveImplementation Patterns for Hosts	10	Performance Tuning the BizTalk Server Platform <ul style="list-style-type: none">Tuning Operating System PerformanceTuning Network PerformanceTuning IIS Performance
4	Tracking BizTalk Server Activity <ul style="list-style-type: none">Enabling TrackingViewing Tracked Information	11	Performance Tuning SQL Server <ul style="list-style-type: none">SQL Server TheoriesOptimizing Before BizTalk ServerOptimizing After BizTalk ServerSQL Settings to Leave Alone
5	Handling Runtime Exceptions <ul style="list-style-type: none">Troubleshooting Runtime Exceptions	12	Optimizing Resource Usage Through Throttling <ul style="list-style-type: none">What Is Throttling?How Throttling WorksThrottling Recommendations
6	Testing Practices and Methodologies <ul style="list-style-type: none">Types of TestingTesting Myths BustedPerformance Testing Methodology	13	Maintaining a Healthy BizTalk Server Environment <ul style="list-style-type: none">Daily TasksWeekly TasksMonthly & Quarterly Tasks
7	Monitoring BizTalk Server <ul style="list-style-type: none">Types of MonitoringWhat is PAL?Other Tools for Monitoring BizTalk Server		